

SUPPLEMENTARY TABLE 3. THE UNIT-CELL DIMENSIONS OF THE FELDSPARS PRESENT
IN SAMPLES OF TYPE-III PEGMATITE DIKES INVESTIGATED BY XRD (POWDER DIFFRACTION)

Sample	Mineral	<i>a</i> (Å)	<i>b</i> (Å)	<i>c</i> (Å)	α (°)	β (°)	γ (°)	<i>V</i> (Å ³)	wt. %
31002	Or	8.5867	12.9950	7.2026		116.026		722.19	72.9
		0.0003	0.0003	0.0002		0.002		0.04	3.4
	Ab	8.1414	12.7894	7.1592	94.267	116.614	87.707	664.59	16.2
		0.0004	0.0009	0.0003	0.004	0.003	0.005	0.06	2.1
32004	Or	8.5903	12.9918	7.2080		116.011		722.96	43.5
		0.0007	0.0007	0.0005		0.007		0.10	8.0
	Mcc	8.5895	12.9917	7.2078	90.262	116.013	89.035	722.75	26.5
		0.0004	0.0011	0.0007	0.022	0.009	0.007	0.12	3.8
	Ab	8.1425	12.7950	7.1603	94.236	116.609	87.769	665.14	26.5
		0.0003	0.0003	0.0002	0.003	0.002	0.003	0.04	0.4
32007	Or	8.6017	12.9856	7.2129		116.000		724.13	22.1
		0.0012	0.0013	0.0014		0.013		0.20	0.7
	Mcc	8.5842	12.9800	7.2148	90.427	116.027	88.672	722.17	39.3
		0.0004	0.0006	0.0003	0.006	0.003	0.006	0.06	1.6
	Ab	8.1428	12.7911	7.1601	94.261	116.615	87.709	664.87	33.5
		0.0003	0.0005	0.0002	0.004	0.002	0.004	0.04	1.0
32012	Ab	8.1457	12.7937	7.1598	94.248	116.604	87.762	665.30	61.4
		0.0001	0.0002	0.0001	0.002	0.001	0.001	0.02	1.1
32006	Ab	8.1448	12.7913	7.1610	94.245	116.611	87.730	665.18	91.5
		0.0001	0.0001	0.0001	0.001	0.001	0.001	0.02	4.1

The overall goodness of fit ($n = 5$) is 5.01%. The wt.% value refers to the proportion of that mineral in the hand-picked sample that was scanned. The proportion of the other minerals present in those samples is listed in Table 1. Mineral symbols: Or: orthoclase, Mcc: microcline, Ab: albite.